

09855- 301200

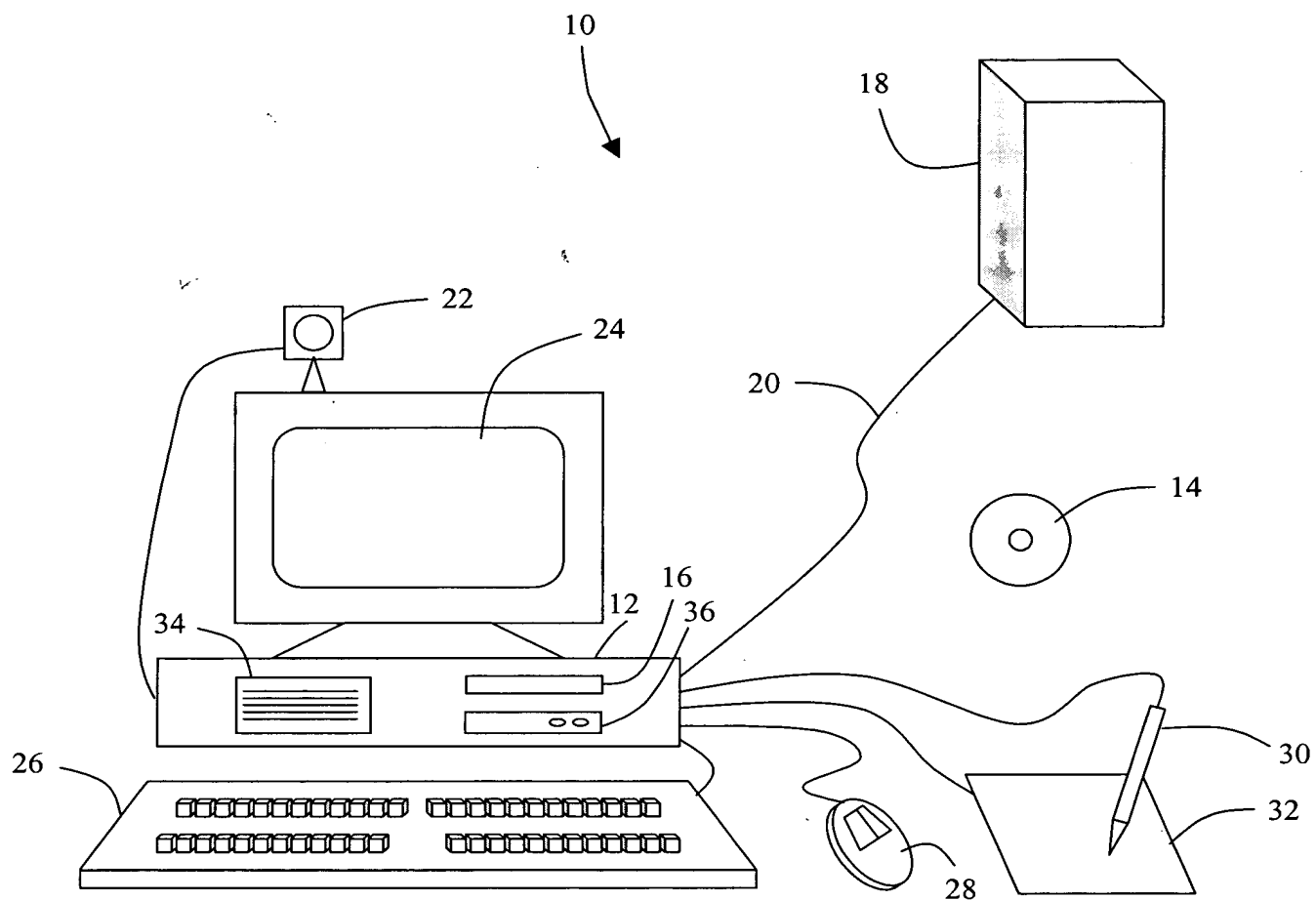


FIG. 1

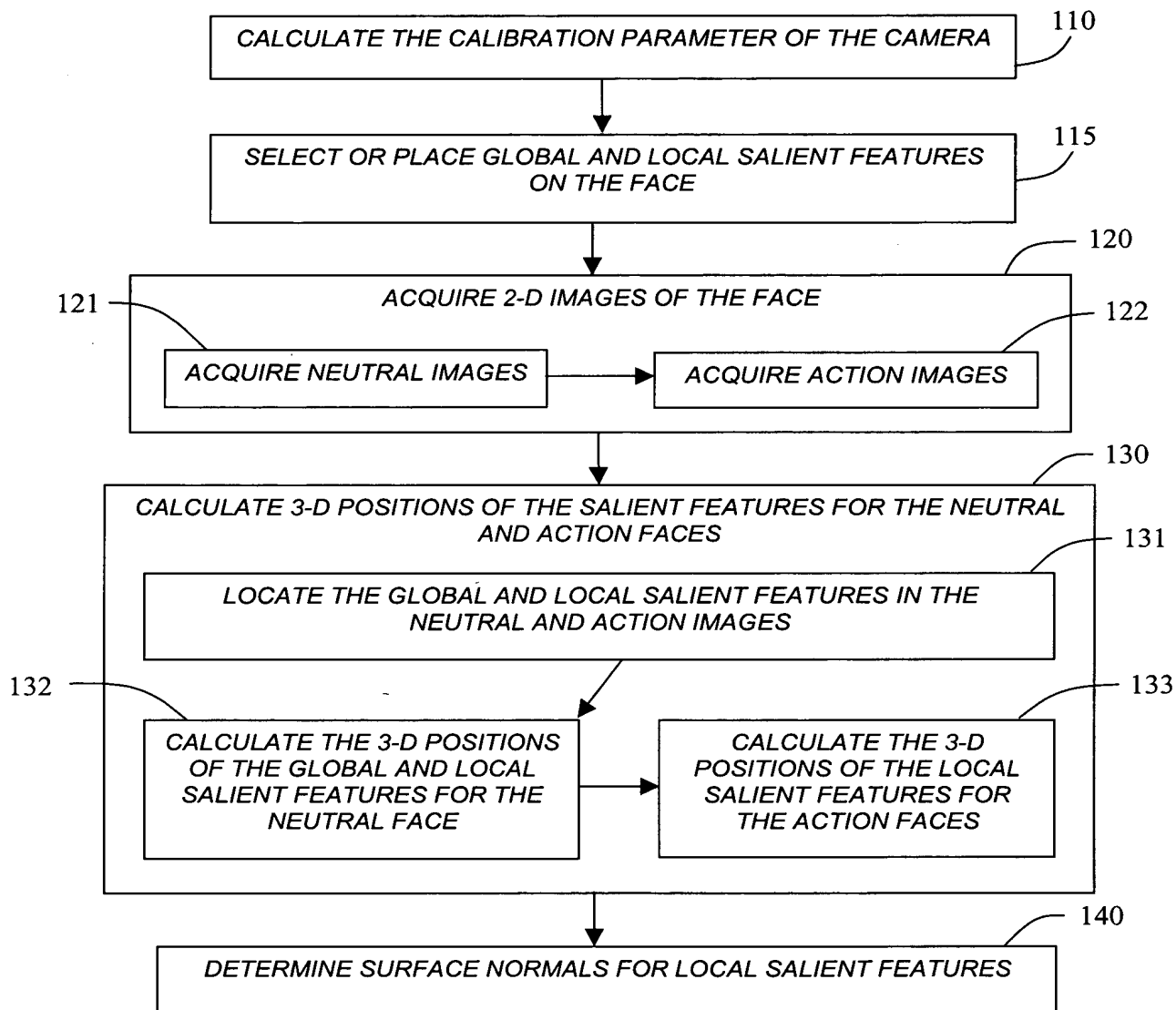


FIG. 2

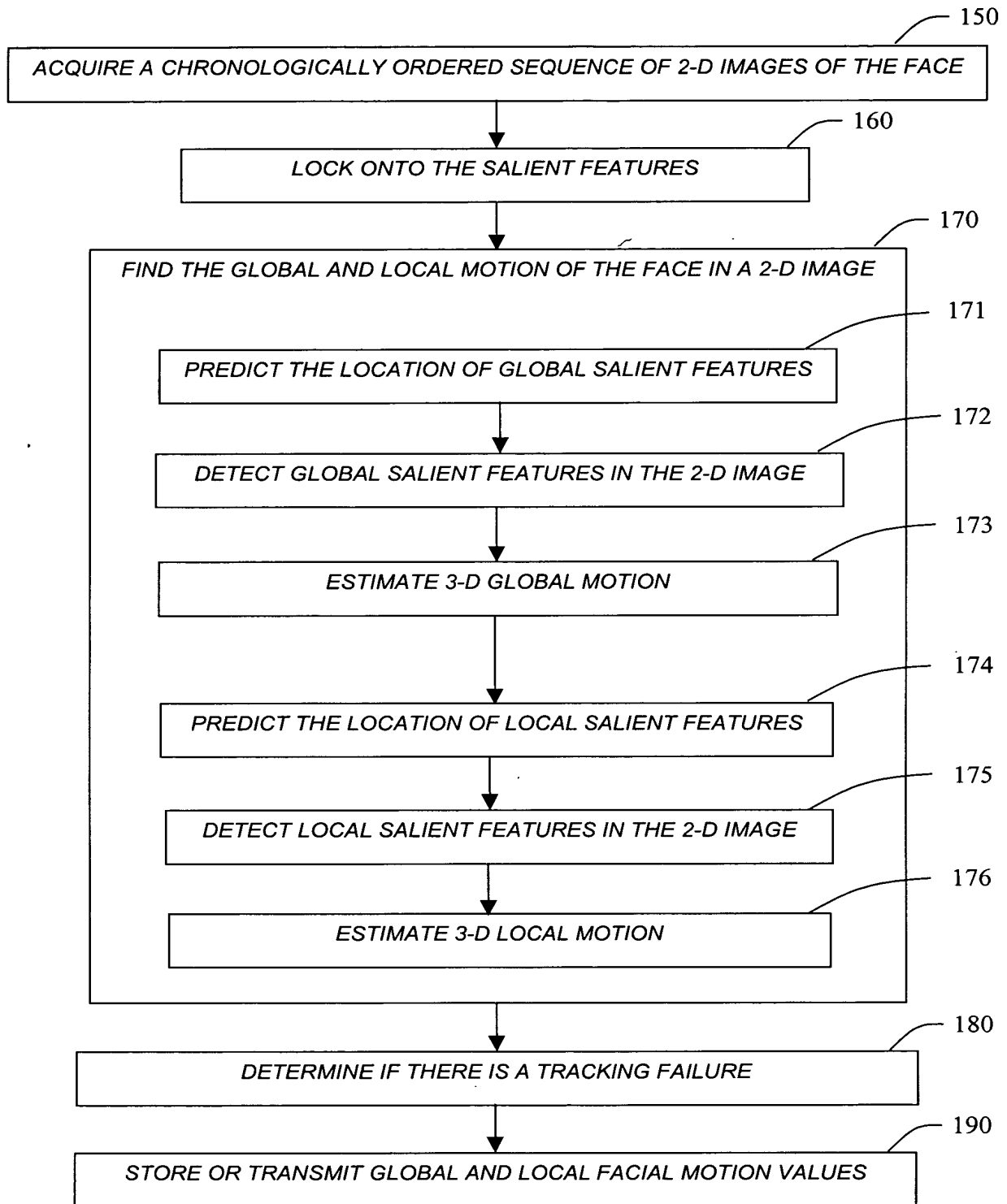


FIG. 3

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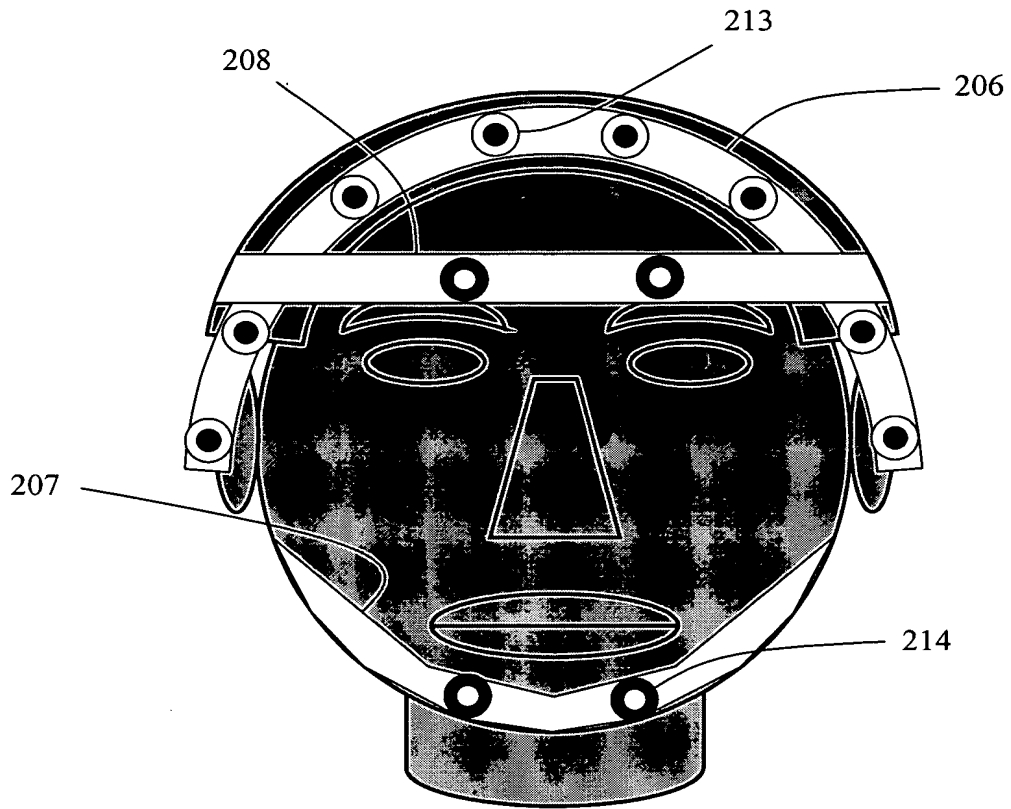


FIG. 4

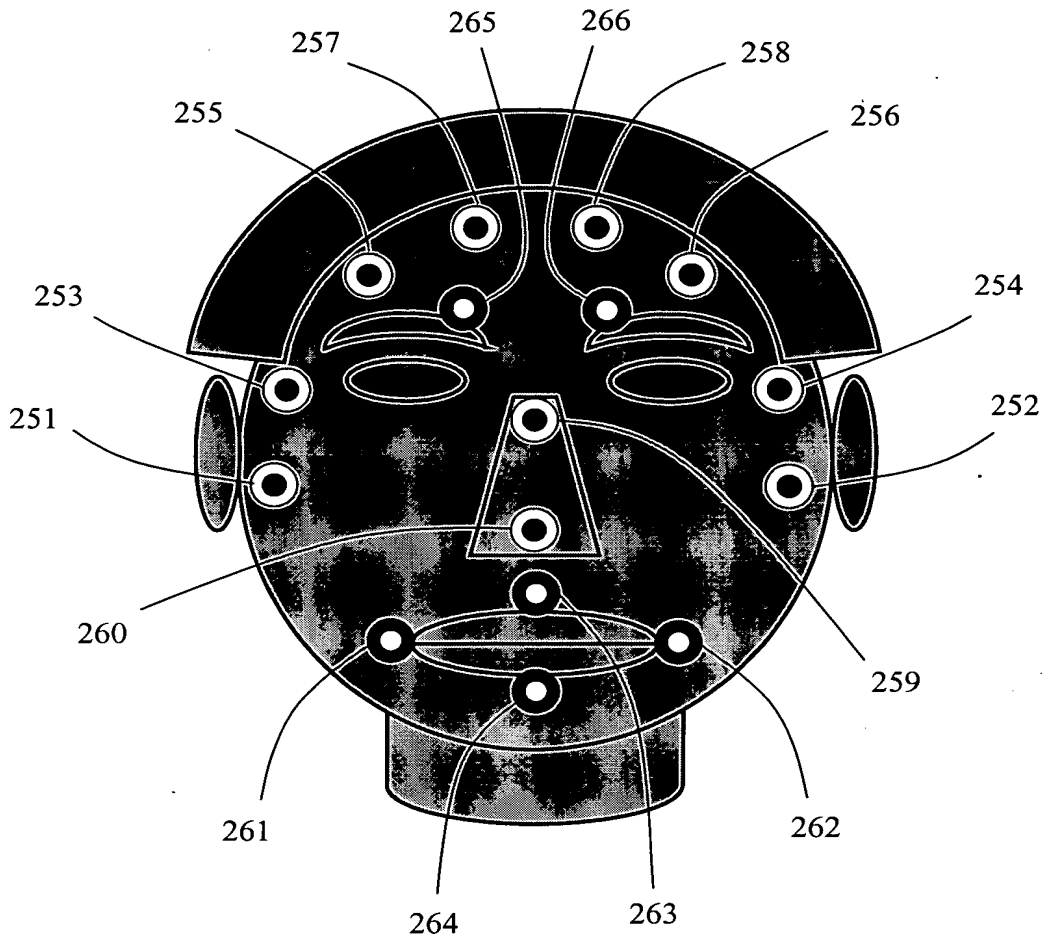


FIG. 5

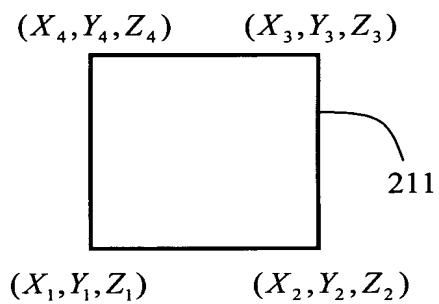


FIG. 6a

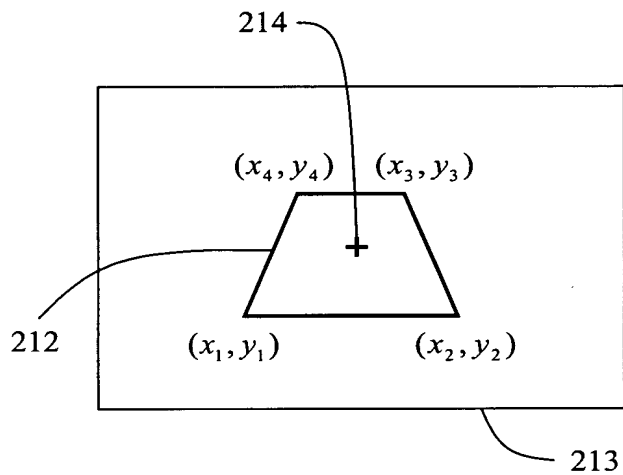


FIG. 6b

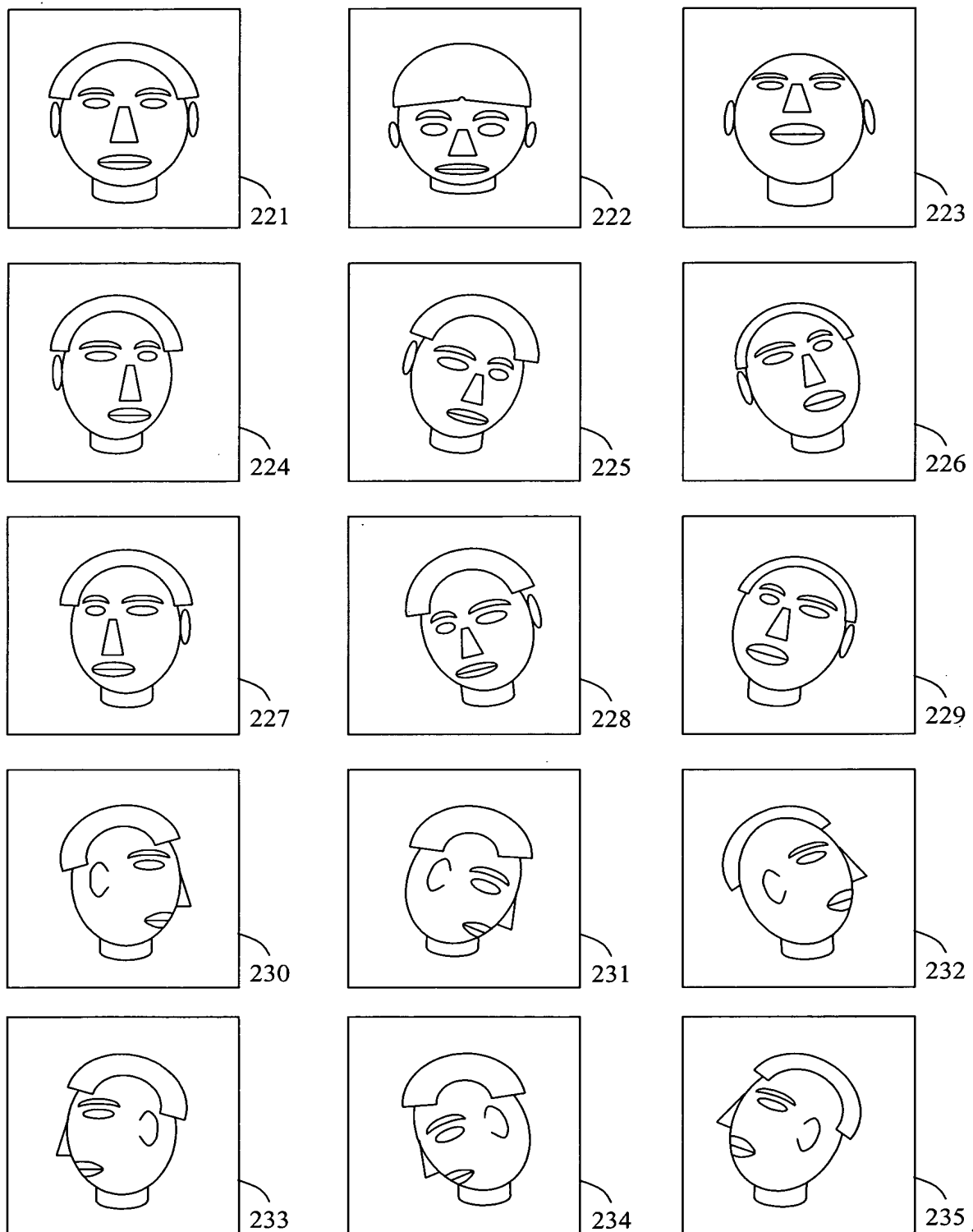


FIG. 7

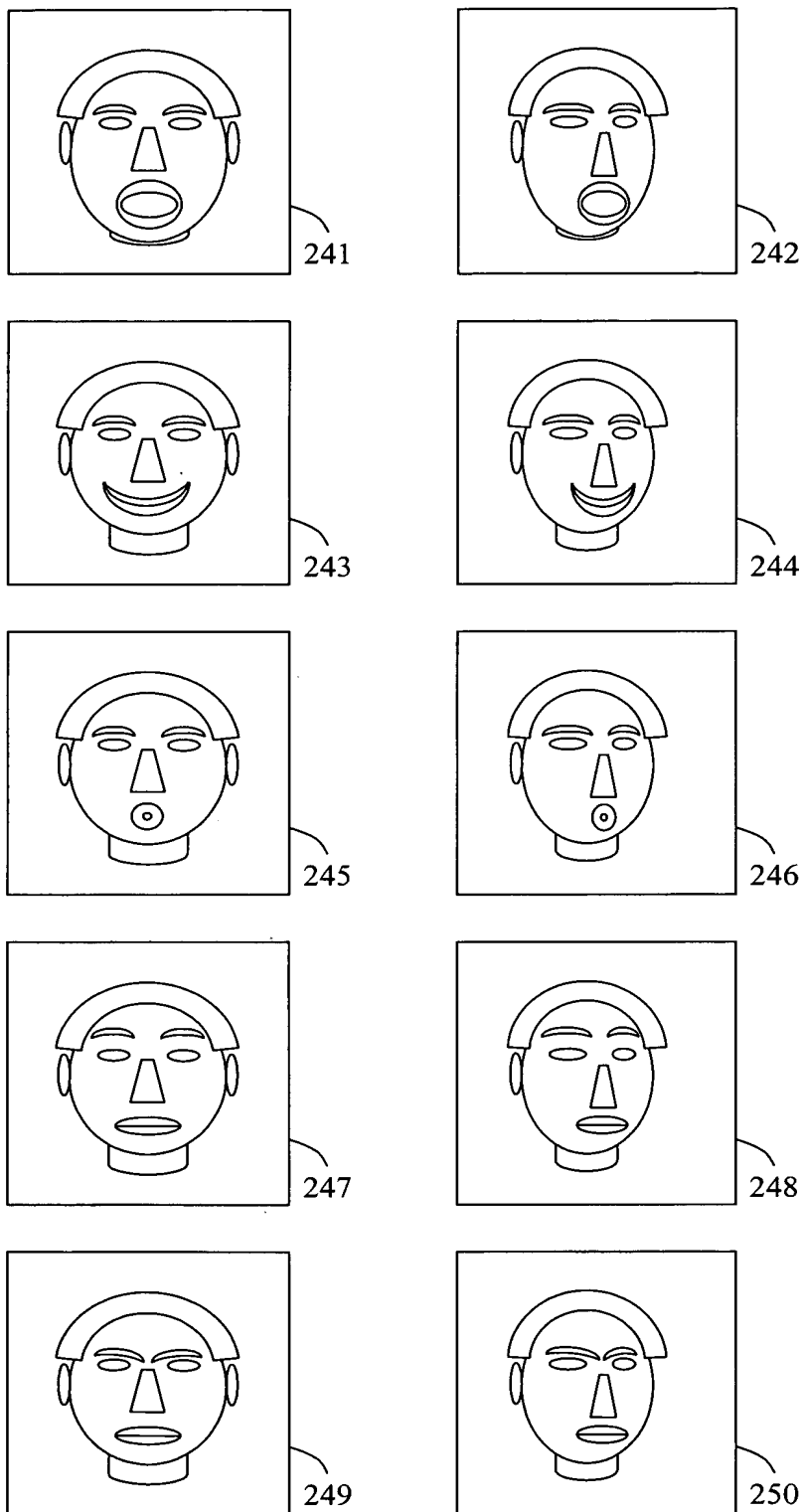


FIG. 8

FIG. 9

Action Images ↓	Markers →															
	Right-ear-base 251	Left-ear-base 252	Right-temple 253	Left-temple 254	Right-outer-forehead 255	Left-outer-forehead 256	Right-central-forehead 257	Left-central-forehead 258	Nose-base 259	Nose-tip 260	Right-lip-corner 261	Left-lip-corner 262	Upper-lip-center 263	Lower-lip-center 264	Right-central-eyebrow 265	Left-central-eyebrow 266
Front-mouth-yawning 241	X	X	X	X	X	X	X	X	X	X					X	X
Angled-right-mouth-yawning 242	X		X		X	X	X	X	X	X					X	X
Front-mouth-smiling 243	X	X	X	X	X	X	X	X	X	X					X	X
Angled-right-mouth-smiling 244	X		X		X	X	X	X	X	X					X	X
Front-mouth-kissing 245	X	X	X	X	X	X	X	X	X	X					X	X
Angled-right-mouth-kissing 246	X		X		X	X	X	X	X	X					X	X
Front-raised-eyebrows 247	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Angled-right-raised-eyebrows 248	X		X		X	X	X	X	X	X	X	X	X	X		
Front-squeezed-eyebrows 249	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
Angled-right-squeezed-eyebrows 250	X		X		X	X	X	X	X	X	X	X	X	X		

FIG. 10

<i>Skull Marker Name</i>	<i>Surface Normal</i>
Right-ear-base 251	(-1.0, 0.0, 0.5)
Left-ear-base 252	(1.0, 0.0, 0.5)
Right-temple 253	(-1.0, 0.2, 0.4)
Left-temple 254	(1.0, 0.2, 0.4)
Right-outer-forehead 255	(-1.0, 0.4, 0.8)
Left-outer-forehead 256	(1.0, 0.4, 0.8)
Right-central-forehead 257	(-0.6, 0.8, 1.0)
Left-central-forehead 258	(0.6, 0.8, 1.0)
Nose-base 259	(0.0, 0.6, 1.0)
Nose-tip 260	(0.0, 0.2, 1.0)

FIG. 11

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<i>Joint Marker Name</i>	<i>Surface Normal</i>	<i>Motion Plane Basis Vector 1</i>	<i>Motion Plane Basis Vector 2</i>
Right-lip-corner 261	(-1.0, 0.0, 1.0)	(1.0, 0.0, 1.0)	(0.0, -1.0, 0.0)
Left-lip-corner 262	(1.0, 0.0, 1.0)	(-1.0, 0.0, 1.0)	(0.0, -1.0, 0.0)
Upper-lip-center 263	(0.0, 0.0, 1.0)	(0.0, 0.0, 1.0)	(0.0, 1.0, 0.0)
Lower-lip-center 264	(0.0, 0.0, 1.0)	(0.0, 0.0, 1.0)	(0.0, -1.0, 0.0)
Right-central-eyebrow 265	(-0.1, 0.0, 1.0)	(-1.0, 0.0, 0.0)	(0.0, 1.0, 0.0)
Left-central-eyebrow 266	(0.1, 0.0, 1.0)	(1.0, 0.0, 0.0)	(0.0, 1.0, 0.0)

FIG. 12

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